

**Flood Control Project Maintenance
Levee Inspections**

Fall 2015 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0817	Overall LMA Rating	Total LMA Miles						
Reclamation District No. 0817 Carlin	U	8.99						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.64	0.93	5.36	59.62%	0.01			
Trim / Thin Trees	0.01		0.01	0.11%				
Encroachments					2.50			
Slope Stability								1.20
<i>Supplemental</i>								
DWR UCIP Field Study					0.25	0.09		
<i>LMA Totals:</i>	1.65	0.93	5.37	59.73%	2.76	0.09	0.00	1.20

Unit No. 01 South Dry Creek LB	Overall Unit Rating	Total Unit Miles						
RD0817	A	3.81						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments					2.07			
<i>Supplemental</i>								
DWR UCIP Field Study					0.19	0.02		
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%	2.26	0.02	0.00	0.00

Unit No. 02 Bear River RB	Overall Unit Rating	Total Unit Miles						
RD0817	U	3.86						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	1.64		1.64	42.53%	0.01			
Encroachments					0.01			
Slope Stability								1.20
<i>Supplemental</i>								
DWR UCIP Field Study					0.04	0.02		
<i>Unit Totals:</i>	1.64	0.00	1.64	42.53%	0.06	0.02	0.00	1.20

Unit No. 03 South Dry Creek RB	Overall Unit Rating	Total Unit Miles						
RD0817	U	1.32						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation		0.93	3.72	281.95%				
Trim / Thin Trees	0.01		0.01	0.76%				
Encroachments					0.42			
<i>Supplemental</i>								
DWR UCIP Field Study					0.02	0.05		
<i>Unit Totals:</i>	0.01	0.93	3.73	282.71%	0.44	0.05	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2015 Levee Inspection Results

Reclamation District No. 0817 Carlin

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			U	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0817 Carlin

Waterway			Bank	Unit Miles
Unit No. 01 South Dry Creek			Left	3.81
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	05/27/2015 - 05/27/2015		11/16/2015 - 11/16/2015	
DWR Inspector	Michael Pitta		Jai Lor	
Accompanied By	Joe Conant RD 817		Joe Conant RD 817	
	Tom Engler RD 817		Tom Engler RD 2103	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start		Rating **	A	Issue No.	5	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Flood Preparedness & Training				o	
					o	
DWR ID	DWR_RD0817_01_f_2014_5					
Action/Comments						
Inspector Comments: LMA regularly attends flood fight training put on by RD784 and DWR .						

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				o
					o
DWR ID	DWR_RD0817_01_s_2013_9				
Action/Comments					
Inspector Comments: The manuals are located at Tom Englers office and at Joe Conant's office.					

No Photos

LM Start		Rating **	A	Issue No.	10	
LM End		Issue Type +	Ma	Location *	N/A	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Emergency Supplies & Equipment				o	
					o	
DWR ID	DWR_RD0817_01_s_2013_10					
Action/Comments						
Inspector Comments: LMA stated that they have approx. 2500 sandbags and related flood fight material located in a mini storage in downtown Wheatland.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	0.00	Rating **	A	Issue No.	2
LM End	3.80	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984675 °	39.019703 °
				-121.506107 °	-121.454296 °
DWR ID	DWR_RD0817_01_f _ 2015_2				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: LMA has grazed levee slopes.					

Photo 1 of 1 : FA_2015_RD0817_12_2_20151117_00003.jpg



View of the vegetation on the landward side of the levee looking downstream. Fall 2015.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	3.80	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984678 °	39.019703 °
				-121.506107 °	-121.454296 °
DWR ID	DWR_RD0817_01_f _ 2015_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: LMA has grazed the slope on the waterward side of the levee.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	0.29	Rating **	M	Issue No.	11
LM End	0.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.987813 °	38.987813 °
				-121.502963 °	-121.502963 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:42685
 DS_ID:18985
 EP_NO: N/A
 FS_HLM: 0.285
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes.
 FIELD_STRUCT_DESC: 48-inch corrugated metal drainpipe through levee, 23.3 feet below the crown. Flap gate on waterward end.
 FS Date: 04/16/2013

LM Start	0.29	Rating **	M	Issue No.	11 (cont)
LM End	0.29	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_0290.jpg



WS- dense vegetation on WS of the levee

Photo 2 of 3 : UCIP_FA_2015_0291.jpg



WS- CM pipe and flap gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	0.29	Rating **	M	Issue No.	11 (cont)
LM End	0.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.987813 °	38.987813
				-121.502963 °	-121.502963
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42685 DS_ID:18985 EP_NO: N/A FS_HLM: 0.285 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0292.jpg



WS- pipe, flap gate in dense vegetation on berm

LM Start	0.55	Rating **	U	Issue No.	12
LM End	0.55	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989890 °	38.989890 °
				-121.498850 °	-121.498850 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41299					
DS_ID:18999					
EP_NO: N/A					
FS_HLM: 0.55					
Repair Type: Urgent					
Crossing Status: Not Found					
UCIP Comments: No markers visible. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23.					
FIELD_STRUCT_DESC: 8-5/8 pipe through levee, 3 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 04/16/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	0.56	Rating **	M	Issue No.	13
LM End	0.56	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989990 °	38.989990 °
				-121.498710 °	-121.498710 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41411 DS_ID:19000 EP_NO: N/A FS_HLM: 0.56 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: No markers were found. Dense vegetation limits inspector's visibility along waterward and landwar slopes. FIELD_STRUCT_DESC: 16-inch gas line through levee, 2.9 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 04/16/2013					

No Photos

LM Start	0.63	Rating **	U	Issue No.	14
LM End	0.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.990650 °	38.990650 °
				-121.497720 °	-121.497720 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41412 DS_ID:19001 EP_NO: N/A FS_HLM: 0.63 Repair Type: Urgent Crossing Status: Not Found UCIP Comments: No markers visible. Dense vegetation present on both sides of the levee slopes. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23 and contact Central Valley Flood Protection Board (CVFPB). FIELD_STRUCT_DESC: 16-inch gas line through levee, 3 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 04/16/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	0.83	Rating **	M	Issue No.	15
LM End	0.83	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.992540 °	38.992540 °
				-121.494920 °	-121.494920 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41321 DS_ID:19002 EP_NO: N/A FS_HLM: 0.83 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 36-inch pipe through levee. Flapgate on waterside. O&M Manual Sac 146, November 1962. FS Date: 04/16/2013					

No Photos

LM Start	1.04	Rating **	M	Issue No.	16
LM End	1.04	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.994640 °	38.994640 °
				-121.492120 °	-121.492120 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41322					
DS_ID:18986					
EP_NO: N/A					
FS_HLM: 1.04					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: *REMOVED* 18-inch pipe through the levee, 13 feet below the crown. (Removed in 1989).					
FS Date: 04/16/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	1.13	Rating **	M	Issue No.	17
LM End	1.13	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.995667 °	38.995667 °
				-121.490981 °	-121.490981 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44084 DS_ID:25088 EP_NO: N/A FS_HLM: 1.13 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for this crossing. FIELD_STRUCT_DESC: 4-inch steel communication conduit through the levee, 4 feet below levee crown. FS Date: 03/19/2015					

Photo 1 of 2 : UCIP_FA_2015_5832.jpg



Fiberoptic line markers along roadway to south of bridge.

Photo 2 of 2 : UCIP_FA_2015_5833.jpg



Communication conduit visible on upstream side of bridge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	1.14	Rating **	M	Issue No.	18
LM End	1.14	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.995739 °	38.995739 °
				-121.490894 °	-121.490894 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44085					
DS_ID:18997					
EP_NO: 1454					
FS_HLM: 1.14					
Repair Type: Non-Urgent					
Crossing Status: Not Found					

No Photos

LM Start	1.34	Rating **	M	Issue No.	19
LM End	1.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.997961 °	38.997961 °
				-121.488455 °	-121.488455 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41153 DS_ID:18987 EP_NO: N/A FS_HLM: 1.343 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damaged slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainpipe through levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 04/16/2013					

Photo 1 of 2 : UCIP_FA_2015_0293.jpg



WS- closer look at damaged slide gate on WS

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	1.34	Rating **	M	Issue No.	19 (cont)
LM End	1.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.997961 °	38.997961 °
				-121.488455 °	-121.488455 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41153 DS_ID:18987 EP_NO: N/A FS_HLM: 1.343 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Damaged slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainpipe through levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 04/16/2013					

Photo 2 of 2 : UCIP_FA_2015_0294.jpg



WS- overview of WS area

LM Start	1.62	Rating **	M	Issue No.	20
LM End	1.62	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.001340 °	39.001340 °
				-121.485740 °	-121.485740 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41157 DS_ID:18988 EP_NO: N/A FS_HLM: 1.62 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: A buried slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainpipe through the levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 04/16/2013					

Photo 1 of 3 : UCIP_FA_2015_0295.jpg



WS- buried slide gate

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	1.62	Rating **	M	Issue No.	20 (cont)
LM End	1.62	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.001340 °	39.001340 °
				-121.485740 °	-121.485740 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41157 DS_ID:18988 EP_NO: N/A FS_HLM: 1.62 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: A buried slide gate on WS of the levee. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: *ABANDONED* 18-inch corrugated metal drainpipe through the levee, 14.9 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 04/16/2013					

Photo 2 of 3 : UCIP_FA_2015_0296.jpg



WS- slide gate

Photo 3 of 3 : UCIP_FA_2015_0297.jpg



WS- overview of WS berm

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	1.74	Rating **	M	Issue No.	8
LM End	3.81	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.002941 °	39.019763 °
				-121.484856 °	-121.454151 °
DWR ID	DWR_RD0817_01_s _ 2013_8				
Action/Comments					
Fence					
Inspector Comments: Wire fence at L/S levee toe.					

Photo 1 of 1 : FA_2015_RD0817_12_8_20151102_00001.jpg



Wire fence at L/S levee toe.

LM Start	1.86	Rating **	M	Issue No.	21
LM End	1.86	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.004520 °	39.004520 °
				-121.483960 °	-121.483960 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41323					
DS_ID:19003					
EP_NO: N/A					
FS_HLM: 1.86					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 12-inch pipe through levee. Vertical Pump on WS. 3.1 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 04/16/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	2.06	Rating **	M	Issue No.	22
LM End	2.06	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.006760 °	39.006760 °
				-121.481670 °	-121.481670 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:41312 DS_ID:19004 EP_NO: N/A FS_HLM: 2.06 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 18-inch pipe through the levee, 11.5 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 04/16/2013					

LM Start	2.28	Rating **	M	Issue No.	23
LM End	2.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.008353 °	39.008353 °
				-121.477963 °	-121.477963 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:41156 DS_ID:18989 EP_NO: N/A FS_HLM: 2.29 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: A buried slide gate found on WS. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: Abandoned 18-inch corrugated metal drainpipe through levee, 11.7 feet below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 04/16/2013					

Photo 1 of 1 : UCIP_FA_2015_0298.jpg



WS- slide gate on levee toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	2.30	Rating **	M	Issue No.	24
LM End	2.30	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.008425 °	39.008425 °
				-121.477775 °	-121.477775 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41318 DS_ID:18993 EP_NO: 16193 FS_HLM: 2.3 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Remove (1 of 3 locations) abandoned 18-inch diameter pipeline from the left bank levee of Dry Creek. (App. No. 16193) FS Date: 04/16/2013					

No Photos

LM Start	2.39	Rating **	M	Issue No.	25
LM End	2.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.008980 °	39.008980 °
				-121.476260 °	-121.476260 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41324					
DS_ID:19005					
EP_NO: N/A					
FS_HLM: 2.39					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 10-inch pipe through levee. Vertical Pump on WS. 2.8 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 04/16/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	2.64	Rating **	M	Issue No.	26
LM End	2.64	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.010523 °	39.010523 °
				-121.472070 °	-121.472070 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41319 DS_ID:18994 EP_NO: 16193 FS_HLM: 2.64 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Remove (1 of 3 locations) abandoned 18-inch diameter pipeline from the left bank levee of Dry Creek. (App. No. 16193) FS Date: 04/16/2013					

No Photos

LM Start	2.65	Rating **	M	Issue No.	27
LM End	2.65	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.010584 °	39.010584 °
				-121.471902 °	-121.471902 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44086 DS_ID:18990 EP_NO: N/A FS_HLM: 2.65 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Pipe Abandoned in place and should be done so properly. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Abandoned 18-inch corrugated metal drainpipe through the levee, 10.5 feet-below the crown. Slide gate on the waterward end. O&M Manual Sac 146, November 1962. FS Date: 03/26/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	2.68	Rating **	M	Issue No.	28
LM End	2.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.010770 °	39.010770 °
				-121.471400 °	-121.471400 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:41325 DS_ID:19006 EP_NO: N/A FS_HLM: 2.68 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: 8-inch pipe through the levee. Pump on LS. 3.1 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 04/16/2013					

LM Start	2.95	Rating **	M	Issue No.	29
LM End	2.95	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.012500 °	39.012500 °
				-121.466700 °	-121.466700 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:41320 DS_ID:18995 EP_NO: 16193 FS_HLM: 2.96 Repair Type: Non-Urgent Crossing Status: Not Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. FIELD_STRUCT_DESC: Remove (1 of 3 locations) abandoned 18-inch diameter pipeline from the left bank levee of Dry Creek. (App. No. 16193) FS Date: 04/16/2013					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	2.96	Rating **	M	Issue No.	30
LM End	2.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.012552 °	39.012552 °
				-121.466538 °	-121.466538 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:43946
 DS_ID:18992
 EP_NO: N/A
 FS_HLM: 2.97
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Flapgate in closed position, but blocked from operation on WS toe. Pipe appears abandoned and should be verified as having been done so properly.
 FIELD_STRUCT_DESC: 36-inch corrugated metal drainpipe through the levee, 13.7-feet below the crown. Flap gate on the waterward end. O&M Manual Sac 146, November 1962.
 FS Date: 03/26/2015

LM Start	2.96	Rating **	M	Issue No.	30 (cont)
LM End	2.96	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5778.jpg



LS of pipe buried but alignment would place LS outlet just left of telephone pole on LS toe.

Photo 2 of 3 : UCIP_FA_2015_5779.jpg



Pipe and flapgate visible on WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 South Dry Creek	Left	3.81	11/16/2015 11/16/2015	Jai Lor

LM Start	2.96	Rating **	M	Issue No.	30 (cont)
LM End	2.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.012552 °	39.012552
				-121.466538 °	-121.466538
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:43946					
DS_ID:18992					
EP_NO: N/A					
FS_HLM: 2.97					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5780.jpg



Pipe and flapgate visible on WS toe.

LM Start	3.69	Rating **	M	Issue No.	31
LM End	3.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.018890 °	39.018890 °
				-121.455920 °	-121.455920 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41316					
DS_ID:19007					
EP_NO: N/A					
FS_HLM: 3.7					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward and landward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances.					
FIELD_STRUCT_DESC: 18-inch pipe through levee. Flapgate on WS. 12 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 04/16/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0817 Carlin

Waterway			Bank	Unit Miles
Unit No. 02 Bear River			Right	3.86
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/27/2015 - 05/27/2015		11/16/2015 - 11/16/2015	
DWR Inspector	Michael Pitta		Jai Lor	
Accompanied By	Joe Conant RD 817		Joe Conant RD 817	
	Tom Engler RD 817		Tom Engler RD 2103	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	11/16/2015 11/16/2015	Jai Lor

LM Start	0.01	Rating **	C	Issue No.	5
LM End	1.19	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984502 °	38.985971 °
				-121.505957 °	-121.484564 °
DWR ID	DWR_RD0817_02_f_2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.05	Rating **	M	Issue No.	3
LM End	0.92	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984138 °	38.985407 °
				-121.505440 °	-121.489474 °
DWR ID	DWR_RD0817_02_f_2015_3				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA_2015_RD0817_13_3_20151117_00007.jpg



View of the vegetation on the landward side of the levee looking upstream. Fall 2015.

LM Start	0.10	Rating **	M	Issue No.	7
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.983974 °	38.984959 °
				-121.504688 °	-121.494852 °
DWR ID	DWR_RD0817_02_f_2015_7				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	11/16/2015 11/16/2015	Jai Lor

LM Start	0.27	Rating **	C	Issue No.	9
LM End	0.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.984308 °	38.984308 °
				-121.501561 °	-121.501561 °
DWR ID	DWR_RD0817_02_f_2013_9				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Berry bushes have been sprayed but still need to be removed.					

No Photos

LM Start	0.99	Rating **	M	Issue No.	16
LM End	0.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.985571 °	38.985571 °
				-121.488209 °	-121.488209 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44064 DS_ID:19008 EP_NO: N/A FS_HLM: 1.01 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe appears abandoned and if so should be done so properly. Concrete standpipe filled with soil. FIELD_STRUCT_DESC: Abandoned 10-inch pipe through levee, 13.5 feet below crown. No control valves. Hole in pipe at landward toe. 36-inch concrete riser at landward toe. Concrete standpipe at landward toe. FS Date: 04/01/2015					

Photo 1 of 3 : UCIP_FA_2015_5829.jpg



Concrete standpipe visible on lower slope of LS toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	11/16/2015 11/16/2015	Jai Lor

LM Start	0.99	Rating **	M	Issue No.	16 (cont)
LM End	0.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.985571 °	38.985571 °
				-121.488209 °	-121.488209 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:44064
 DS_ID:19008
 EP_NO: N/A
 FS_HLM: 1.01
 Repair Type: Non-Urgent
 Crossing Status: Indicator Found
 UCIP Comments: Pipe appears abandoned and if so should be done so properly. Concrete standpipe filled with soil.
 FIELD_STRUCT_DESC: Abandoned 10-inch pipe through levee, 13.5 feet below crown. No control valves. Hole in pipe at landward toe. 36-inch concrete riser at landward toe. Concrete standpipe at landward toe.
 FS Date: 04/01/2015

LM Start	0.99	Rating **	M	Issue No.	16 (cont)
LM End	0.99	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_5830.jpg



Concrete standpipe visible on lower slope of LS toe.

Photo 3 of 3 : UCIP_FA_2015_5831.jpg



Concrete standpipe visible on lower slope of LS toe.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	11/16/2015 11/16/2015	Jai Lor

LM Start	1.10	Rating **	M	Issue No.	8
LM End	1.34	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.985765 °	38.986273 °
				-121.486321 °	-121.481766 °
DWR ID	DWR_RD0817_02_f_2015_8				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	1.29	Rating **	U	Issue No.	17
LM End	1.29	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.986150 °	38.986150 °
				-121.482770 °	-121.482770 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41302					
DS_ID:19013					
EP_NO: N/A					
FS_HLM: 1.3					
Repair Type: Urgent					
Crossing Status: Not Found					
UCIP Comments: No markers visible. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23 and contact Central Valley Flood Protection Board (CVFPB).					
FIELD_STRUCT_DESC: 16-inch gas line through levee, 3 feet below the crown. O&M Manual Sac 146, November 1962.					
FS Date: 04/17/2013					

No Photos

LM Start	1.54	Rating **	M	Issue No.	13
LM End	1.54	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.986862 °	38.986862 °
				-121.478212 °	-121.478212 °
DWR ID	DWR_RD0817_02_s_2015_13				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	11/16/2015 11/16/2015	Jai Lor

LM Start	1.76	Rating **	M	Issue No.	2
LM End	1.76	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.987851 °	38.987851 °
				-121.474383 °	-121.474383 °
DWR ID	DWR_RD0817_02_f_2013_2				
Action/Comments					
Landscaping					

No Photos

LM Start	1.77	Rating **	U	Issue No.	18
LM End	1.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.987920 °	38.987920 °
				-121.474080 °	-121.474080 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41304 DS_ID:19015 EP_NO: N/A FS_HLM: 1.79 Repair Type: Urgent Crossing Status: Not Found UCIP Comments: No markers visible. Need to contact owner to determine status of crossing. If crossing is still active owner will need to comply with Title 23 and contact Central Valley Flood Protection Board (CVFPB). FIELD_STRUCT_DESC: 8-5/8-inch gas line through the levee, 3 feet below the crown. O&M Manual Sac 146, November 1962. FS Date: 04/17/2013					

No Photos

LM Start	1.95	Rating **	C	Issue No.	15
LM End	1.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.988752 °	38.988752 °
				-121.470912 °	-121.470912 °
DWR ID	DWR_RD0817_02_s_2015_15				
Action/Comments					
Prunings					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	11/16/2015 11/16/2015	Jai Lor

LM Start	2.05	Rating **	M	Issue No.	19
LM End	2.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989212 °	38.989212 °
				-121.469137 °	-121.469137 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:46182
 DS_ID:25095
 EP_NO: N/A
 FS_HLM: 2.07
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Need to determine permit for crossing.
 FIELD_STRUCT_DESC: 2-inch galvanized iron waterline through the levee at an unknown depth below the crown. Hose bib at WS toe.
 Possible connection at building corner on LS.
 FS Date: 04/01/2015

LM Start	2.05	Rating **	M	Issue No.	19 (cont)
LM End	2.05	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5984.jpg



Pipe and hose bib visible in tall grass at WS toe.

Photo 2 of 3 : UCIP_FA_2015_5985.jpg



Possible source on LS at building corner.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	11/16/2015 11/16/2015	Jai Lor

LM Start	2.05	Rating **	M	Issue No.	19 (cont)
LM End	2.05	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989212 °	38.989212 °
				-121.469137 °	-121.469137 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:46182					
DS_ID:25095					
EP_NO: N/A					
FS_HLM: 2.07					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5986.jpg



Pipe and hose bib visible in tall grass at WS toe.

LM Start	2.08	Rating **	U	Issue No.	10
LM End	3.18	Issue Type +	Ob	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.989338 °	38.994124 °
				-121.468640 °	-121.449448 °
DWR ID	DWR_RD0817_02_s_2012_10				
Action/Comments					
Repair slope instability. Inspector Comments: The levee is oversteepend at this location. The LMA states that it has always been like this and the USACE did not finish constructing the levee here.					

Photo 1 of 1 : FA_2015_RD0817_13_10_20151102_00004.jpg



Levee mile 2.08, this photo shows the slope is less than required, this is the downstream limit of the site, this is the waterside slope.

LM Start	2.11	Rating **	C	Issue No.	12
LM End	2.91	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.989469 °	38.992608 °
				-121.468106 °	-121.453976 °
DWR ID	DWR_RD0817_02_f_2013_12				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	11/16/2015 11/16/2015	Jai Lor

LM Start	2.11	Rating **	M	Issue No.	20
LM End	2.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989495 °	38.989495 °
				-121.468100 °	-121.468100 °
DWR ID					

Action/Comments					
Inspector Comments: FS_ID:44105 DS_ID:19010 EP_NO: N/A FS_HLM: 2.13 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe appears abandoned and should be done so properly. FIELD_STRUCT_DESC: *ABANDONED* 2-inch pipe through the levee, 1.5 feet below the crown. Concrete bulkhead on the landward slope. FS Date: 04/01/2015					

LM Start	2.11	Rating **	M	Issue No.	20 (cont)
LM End	2.11	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_5837.jpg



Pipe and concrete headwall visible on LS shoulder.

Photo 2 of 3 : UCIP_FA_2015_5838.jpg



WS slope. pipe not visible.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	11/16/2015 11/16/2015	Jai Lor

LM Start	2.11	Rating **	M	Issue No.	20 (cont)
LM End	2.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989495 °	38.989495 °
				-121.468100 °	-121.468100 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:44105 DS_ID:19010 EP_NO: N/A FS_HLM: 2.13 Repair Type: Non-Urgent Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_5839.jpg



Pipe visible on LS shoulder.

LM Start	2.17	Rating **	C	Issue No.	14
LM End	2.17	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			38.989727 °	38.989727 °
				-121.467162 °	-121.467162 °
DWR ID	DWR_RD0817_02_f_2013_14				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Medium sized animal burrow in the the waterward side of the levee slope.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	11/16/2015 11/16/2015	Jai Lor

LM Start	2.38	Rating **	M	Issue No.	21
LM End	2.38	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.990705 °	38.990705 °
				-121.463377 °	-121.463377 °
DWR ID					

Action/Comments

Inspector Comments: FS_ID:41160

DS_ID:19011

EP_NO: N/A

FS_HLM: 2.404

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Erosion present behind headwall. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes.

FIELD_STRUCT_DESC: 24-inch pipe through the levee, 12.0 feet below the crown. Slide gate in corrugated metal pipe riser on the waterward slope. Abandoned pump and concrete riser on the bank. A tall CMP riser with 8-inch siphon breaker pipe at the landward toe.

FS Date: 04/17/2013

LM Start	2.38	Rating **	M	Issue No.	21 (cont)
LM End	2.38	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_0240.jpg



WS- CMP riser with air vent and slide gate.

Photo 2 of 3 : UCIP_FA_2015_0241.jpg



WS- inside CMP riser with air vent and slide gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Bear River	Right	3.86	11/16/2015 11/16/2015	Jai Lor

LM Start	2.38	Rating **	M	Issue No.	21 (cont)
LM End	2.38	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.990705 °	38.990705 °
				-121.463377 °	-121.463377 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41160					
DS_ID:19011					
EP_NO: N/A					
FS_HLM: 2.404					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0242.jpg



WS- CMP riser on levee slope.

LM Start	3.73	Rating **	U	Issue No.	6
LM End	3.83	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			38.992656 °	38.993209 °
				-121.439508 °	-121.437772 °
DWR ID	DWR_RD0817_02_f_2013_6				
Action/Comments					
Repair slope instability. Inspector Comments: Separation line in the soil on the landward side between the clay and the sand.					

Photo 1 of 2 : FA_2015_RD0817_13_6_20151102_00002.jpg



This photo was taken from the crown of the levee facing east looking at the separation line in the soil on the land ward side between the clay and the sand.

LM Start	3.73	Rating **	U	Issue No.	6 (cont)
LM End	3.83	Issue Type +	Ob	Location *	LS

Photo 2 of 2 : FA_2015_RD0817_13_6_20151117_00008.jpg



View of the separation of soil on the landward side of the levee looking upstream. Fall 2015.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2015 Levee Inspection Results

Reclamation District No. 0817 Carlin

Waterway			Bank	Unit Miles
Unit No. 03 South Dry Creek			Right	1.32
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			U	
Date of Inspection	05/27/2015 - 05/27/2015		11/16/2015 - 11/16/2015	
DWR Inspector	Michael Pitta		Jai Lor	
Accompanied By			Joe Conant RD 817	
			Tom Engler RD 2103	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	0.27	Rating **	U	Issue No.	24
LM End	0.27	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.987762 °	38.987762 °
				-121.506271 °	-121.506271 °
DWR ID	DWR_RD0817_03_f_2015_24				
Action/Comments					
Inspector Comments: FS_ID:46587 DS_ID:22949 EP_NO: N/A FS_HLM: 0.27 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate partially blocked by vegetation at outlet. FIELD_STRUCT_DESC: 18-inch CM drain pipe through the levee 19.5- feet below the crown. Flap gate and headwall on waterward side. Originally included in O+M Manual (1955). FS Date: 09/11/2015					

LM Start	0.27	Rating **	U	Issue No.	24 (cont)
LM End	0.27	Issue Type +	En	Location *	WS

Photo 1 of 3 : UCIP_FA_2015_3481.jpg



Flap gate blocked by vegetation on WS toe.

Photo 2 of 3 : UCIP_FA_2015_3482.jpg



Outlet in brush at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	0.27	Rating **	U	Issue No.	24 (cont)
LM End	0.27	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.987762 °	38.987762 °
				-121.506271 °	-121.506271 °
DWR ID	DWR_RD0817_03_f_2015_24				
Action/Comments					
Inspector Comments: FS_ID:46587					
DS_ID:22949					
EP_NO: N/A					
FS_HLM: 0.27					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_3483.jpg



Pipe at LS toe

LM Start	0.27	Rating **	M	Issue No.	25
LM End	0.27	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.987762 °	38.987762 °
				-121.506283 °	-121.506283 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:42686 DS_ID:19025 EP_NO: N/A FS_HLM: 0.272 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: A 20-inch CM drainage pipe through levee. Flap Gate on WS levee toe. O&M Manual Sac 145, August 1955. FS Date: 04/17/2013					

Photo 1 of 2 : UCIP_FA_2015_0243.jpg



LS- CM drainage pipe on toe of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	0.27	Rating **	M	Issue No.	25 (cont)	
LM End	0.27	Issue Type +	En	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DWR UCIP Field Study			38.987762 °	38.987762 °	
				-121.506283 °	-121.506283 °	
DWR ID						
Action/Comments						
Inspector Comments: FS_ID:42686 DS_ID:19025 EP_NO: N/A FS_HLM: 0.272 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to contact CVFPB to comply with Title 23. Dense vegetation on waterward and landward slopes limit visual inspection of potential leaks along pipe alignment. Recommend having owner clear vegetation along slopes. FIELD_STRUCT_DESC: A 20-inch CM drainage pipe through levee. Flap Gate on WS levee toe. O&M Manual Sac 145, August 1955. FS Date: 04/17/2013						

Photo 2 of 2 : UCIP_FA_2015_0244.jpg



LS- overview of CM drainage pipe on toe of the levee.

LM Start	0.54	Rating **	U	Issue No.	23
LM End	0.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989915 °	38.989915 °
				-121.502113 °	-121.502113 °
DWR ID	DWR_RD0817_03_f_2015_23				
Action/Comments					
Inspector Comments: FS_ID:46588 DS_ID:22950 EP_NO: N/A FS_HLM: 0.542 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe heavily corroded and failing at inlet an outlet. FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee 20.5-feet below the crown. Flap gate and headwall on waterward side. Originally included in O+M Manual (1955). FS Date: 09/11/2015					

Photo 1 of 3 : UCIP_FA_2015_3294.jpg



Pipe no longer mounted to headwall at WS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	0.54	Rating **	U	Issue No.	23 (cont)
LM End	0.54	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.989915 °	38.989915 °
				-121.502113 °	-121.502113 °
DWR ID	DWR_RD0817_03_f_2015_23				
Action/Comments					
Inspector Comments: FS_ID:46588 DS_ID:22950 EP_NO: N/A FS_HLM: 0.542 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe heavily corroded and failing at inlet an outlet. FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee 20.5- feet below the crown. Flap gate and headwall on waterward side. Originally included in O+M Manual (1955). FS Date: 09/11/2015					

LM Start	0.54	Rating **	U	Issue No.	23 (cont)
LM End	0.54	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_3295.jpg



Pipe Heavily corroded throughout

Photo 3 of 3 : UCIP_FA_2015_3296.jpg



Pipe on LS toe corroded through.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	0.55	Rating **	U	Issue No.	8
LM End	0.81	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.989961 °	38.992220 °
				-121.502009 °	-121.498198 °
DWR ID	DWR_RD0784_06_f_2012_8				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Dense berry bushes along lower slope.					

Photo 1 of 1 : FA_2015_RD0817_14_8_20151102_00001.jpg



Levee mile 0.54, the landside slope.

LM Start	0.58	Rating **	A	Issue No.	18
LM End	1.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.990201 °	38.996833 °
				-121.501522 °	-121.492021 °
DWR ID	DWR_RD0817_03_f_2015_18				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: LMA has grazed the slopes.					

Photo 1 of 1 : FA_2015_RD0817_14_18_20151117_00013.jpg



View of the vegetation on the waterward side of the levee looking downstream. Fall 2015.

LM Start	0.58	Rating **	U	Issue No.	7
LM End	0.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.990201 °	38.990201 °
				-121.501522 °	-121.501522 °
DWR ID	DWR_RD0784_06_f_2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Berries and saplings on the slope.					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	0.58	Rating **	M	Issue No.	4
LM End	0.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			38.990219 °	38.990219
				-121.501483 °	-121.501483
DWR ID	DWR_RD0817_03_s_2015_4				
Action/Comments					
Trim trees to at least five feet above ground level.					

No Photos

LM Start	0.68	Rating **	U	Issue No.	22
LM End	0.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.991062 °	38.991062 °
				-121.499886 °	-121.499886 °
DWR ID	DWR_RD0817_03_f_2015_22				
Action/Comments					
Inspector Comments: FS_ID:46589					
DS_ID:22951					
EP_NO: N/A					
FS_HLM: 0.686					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Corrosion holes on WS toe and flap gate is blocked by debris. Flap gate broken. Inlet partially blocked at concrete inlet.					
FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee 20.0-feet below the crown. Flap gate and headwall on waterward side.					
56X34-inch concrete inlet on LS toe. Originally included in O+M Manual (1955).					
FS Date: 09/11/2015					

Photo 1 of 3 : UCIP_FA_2015_2942.jpg



Improved concrete inlet on LS toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	0.68	Rating **	U	Issue No.	22 (cont)
LM End	0.68	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.991062 °	38.991062 °
				-121.499886 °	-121.499886 °
DWR ID	DWR_RD0817_03_f_2015_22				

Action/Comments

Inspector Comments: FS_ID:46589
DS_ID:22951
EP_NO: N/A
FS_HLM: 0.686
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: Corrosion holes on WS toe and flap gate is blocked by debris. Flap gate broken. Inlet partially blocked at concrete inlet.
FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee 20.0-feet below the crown. Flap gate and headwall on waterward side.
56X34-inch concrete inlet on LS toe. Originally included in O+M Manual (1955).
FS Date: 09/11/2015

LM Start	0.68	Rating **	U	Issue No.	22 (cont)
LM End	0.68	Issue Type +	En	Location *	LS

Photo 2 of 3 : UCIP_FA_2015_2943.jpg



Holes in pipe at broken flapgate on WS toe.

Photo 3 of 3 : UCIP_FA_2015_2944.jpg



Pipe and flapgate at WS toe blocked by debris.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	0.69	Rating **	M	Issue No.	26
LM End	0.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.991082 °	38.991082
				-121.499888 °	-121.499888
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41163					
DS_ID:19020					
EP_NO: N/A					
FS_HLM: 0.687					
Repair Type: Non-Urgent					
Crossing Status: Found					

LM Start	0.69	Rating **	M	Issue No.	26 (cont)
LM End	0.69	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_0839.jpg



LS- half box concrete outlet structure with trash rack.

Photo 2 of 3 : UCIP_FA_2015_0840.jpg



WS- overview of CM pipe, flap gate and debris.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	0.69	Rating **	M	Issue No.	26 (cont)
LM End	0.69	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.991082 °	38.991082
				-121.499888 °	-121.499888
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41163					
DS_ID:19020					
EP_NO: N/A					
FS_HLM: 0.687					
Repair Type: Non-Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_0841.jpg



WS- CM pipe, flap gate and debris.

LM Start	0.81	Rating **	A	Issue No.	19
LM End	1.27	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.992220 °	38.996833 °
				-121.498198 °	-121.492021 °
DWR ID	DWR_RD0817_03_f_2015_19				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements. Inspector Comments: LMA has grazed the slopes.					

No Photos

LM Start	0.85	Rating **	M	Issue No.	15
LM End	1.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.992669 °	38.996885 °
				-121.497525 °	-121.491956 °
DWR ID	DWR_RD0784_06_s_2013_15				
Action/Comments					
Fence					

Photo 1 of 1 : FA_2015_RD0817_14_15_20151102_00007.jpg



Wire fence along L/S toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	1.18	Rating **	U	Issue No.	21
LM End	1.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.995852 °	38.995852 °
				-121.493111 °	-121.493111 °
DWR ID	DWR_RD0817_03_f_2015_21				

Action/Comments

Inspector Comments: FS_ID:46593
 DS_ID:22952
 EP_NO: N/A
 FS_HLM: 1.18
 Repair Type: Urgent
 Crossing Status: Found
 UCIP Comments: Pipe heavily corroded and damaged. 8-inch PVC pipe runs through pipe/possibly for irrigation. CMP heavily rusted on WS toe and debris blocking flap gate on WS toe.
 FIELD_STRUCT_DESC: 20-inch CM drain pipe through the levee 16.5-feet below the crown. Flap gate on waterward side. Originally included in O+M Manual (1955).
 FS Date: 09/11/2015

LM Start	1.18	Rating **	U	Issue No.	21 (cont)
LM End	1.18	Issue Type +	En	Location *	LS

Photo 1 of 3 : UCIP_FA_2015_2945.jpg



Pipe heavily corroded throughout.

Photo 2 of 3 : UCIP_FA_2015_2946.jpg



Pipe cut behind flap gate on WS toe with 8-inch PVC.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	1.18	Rating **	U	Issue No.	21 (cont)
LM End	1.18	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.995852 °	38.995852 °
				-121.493111 °	-121.493111 °
DWR ID	DWR_RD0817_03_f_2015_21				
Action/Comments					
Inspector Comments: FS_ID:46593					
DS_ID:22952					
EP_NO: N/A					
FS_HLM: 1.18					
Repair Type: Urgent					
Crossing Status: Found					

Photo 3 of 3 : UCIP_FA_2015_2947.jpg



Pipe on LS toe with 8-inch PVC pipe sticking out.

LM Start	1.28	Rating **	U	Issue No.	12
LM End	1.50	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997019 °	38.999719 °
				-121.491802 °	-121.490147 °
DWR ID	DWR_RD0784_06_f_2012_12				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation picture is the same as the picture on the crown.					

No Photos

LM Start	1.28	Rating **	U	Issue No.	14
LM End	1.50	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997019 °	38.999719 °
				-121.491802 °	-121.490147 °
DWR ID	DWR_RD0784_06_f_2012_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : FA_2015_RD0817_14_14_20151117_00014.jpg



View of the vegetation on the crown of the levee looking upstream. Fall 2015.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	1.28	Rating **	U	Issue No.	13
LM End	1.50	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			38.997019 °	38.999719 °
				-121.491802 °	-121.490148 °
DWR ID	DWR_RD0784_06_f_2012_13				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Vegetation picture is the same as the picture on the crown.					

No Photos

LM Start	1.29	Rating **	U	Issue No.	20
LM End	1.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.997048 °	38.997048 °
				-121.491743 °	-121.491743 °
DWR ID	DWR_RD0817_03_f _ 2015_20				
Action/Comments					
Inspector Comments: FS_ID:46891 DS_ID:22953 EP_NO: N/A FS_HLM: 1.29 Repair Type: Urgent Crossing Status: Found UCIP Comments: Pipe visible on LS at toe of roadway embankment, but not visible on WS. Possible sinkhole over pipe at LS toe. Pipe heavily rusted. FIELD_STRUCT_DESC: 18-inch CM drain pipe through the levee approximately 15-feet below the crown. Pipe alignment from west of intersection of 40-mile road and levee at 45 degrees to levee to WS. Flap gate on waterward side. Originally included in O+M Manual (1955). FS Date: 09/11/2015					

Photo 1 of 3 : UCIP_FA_2015_2948.jpg



Sinkhole or animal burrow over pipe on LS toe.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2015

Reclamation District No. 0817 Carlin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 South Dry Creek	Right	1.32	11/16/2015 11/16/2015	Jai Lor

LM Start	1.29	Rating **	U	Issue No.	20 (cont)
LM End	1.29	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			38.997048 °	38.997048 °
				-121.491743 °	-121.491743 °
DWR ID	DWR_RD0817_03_f_2015_20				

Action/Comments

Inspector Comments: FS_ID:46891
DS_ID:22953
EP_NO: N/A
FS_HLM: 1.29
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: Pipe visible on LS at toe of roadway embankment, but not visible on WS. Possible sinkhole over pipe at LS toe. Pipe heavily rusted.
FIELD_STRUCT_DESC: 18-inch CM drain pipe through the levee approximately 15-feet below the crown. Pipe alignment from west of intersection of 40-mile road and levee at 45 degrees to levee to WS. Flap gate on waterward side. Originally included in O+M Manual (1955).
FS Date: 09/11/2015

LM Start	1.29	Rating **	U	Issue No.	20 (cont)
LM End	1.29	Issue Type +	En	Location *	WS

Photo 2 of 3 : UCIP_FA_2015_2949.jpg



Pipe at inlet on LS toe.

Photo 3 of 3 : UCIP_FA_2015_4403.jpg



WS drainage outlet with flap gate. Steel pipe is sleeved within heavily rusted CM pipe near daylight to embankment

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	